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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/802,812	03/18/2004	Lee Begeja	2003-0059 (ATT.0180000)	5880	
Law Office of	7590 09/12/2008 Duane S. Kobayashi	EXAM	EXAMINER		
1325 Murray Downs Way			HAN, QI		
Reston, VA 20	0194		ART UNIT	PAPER NUMBER	
			2626		
			MAIL DATE	DELIVERY MODE	
			09/12/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/802,812	BEGEJA ET AL.	
Examiner	Art Unit	
QI HAN	2626	

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	QI HAN	2626			
The MAILING DATE of this communication appe	ears on the cover sheet with the o	correspondence add	ress		
THE REPLY FILED 22 August 2008 FAILS TO PLACE THIS A	PPLICATION IN CONDITION FOR	ALLOWANCE.			
The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of App for Continued Examination (RCE) in compliance with 37 Coperiods:     The period for reply expires 4 months from the mailing date	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance CFR 1.114. The reply must be filed	t, or other evidence, v with 37 CFR 41.31; or	vhich places the r (3) a Request		
a) ∑ The period for reply expires 4_months from the mailing date of the final rejection. b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later, no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.					
no event, nowever, will the statutory period for reply expire in Examiner Note: If box 1 is checked, check either box (a) or ( MONTHS OF THE FINAL REJECTION, See MPEP 706.07(	(b). ONLY CHECK BOX (b) WHEN THE				
Extensions of time may be obtained under 37 CFR 1.138m <sup>-1</sup> . The death have been filled is the date for purposes of destraining the previous under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL.	on which the petition under 37 CFR 1.1: tension and the corresponding amount of shortened statutory period for reply origing than three months after the mailing date	of the fee. The appropri- nally set in the final Office	ate extension fee be action; or (2) as		
The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any externotice of Appeal has been filed, any reply must be filed with the filed was the filed with the filed was t	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the			
AMENDMENTS	talli the time period sectoral in 57	51 TC 4 1.57 (u).			
The proposed amendment(s) filed after a final rejection,  al They raise new issues that would require further co  be They raise the issue of new matter (see NOTE belo	nsideration and/or search (see NOT		cause		
<ul> <li>(c) They are not deemed to place the application in bet appeal; and/or</li> </ul>	ter form for appeal by materially rec	lucing or simplifying t	he issues for		
(d) ☐ They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.			
4. The amendments are not in compliance with 37 CFR 1.12		mpliant Amendment (	PTOL-324).		
<ul> <li>5. Applicant's reply has overcome the following rejection(s):</li> <li>6. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment cancelling non-allowable claim(s).</li> </ul>					
7.  For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proved the status of the claim(s) is (or will be) as follows:		be entered and an e	xplanation of		
Claim(s) allowed:  Claim(s) objected to:  Claim(s) rejected: <u>1-8. 17-20</u> .  Claim(s) withdrawn from consideration:					
AFFIDAVIT OR OTHER EVIDENCE 8. ☐ The affidavit or other evidence filed after a final action, but	t before or on the date of filing a No	tice of Appeal will no	be entered		
because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).					
<ol> <li>The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessar</li> </ol>	vercome <u>all</u> rejections under appea	l and/or appellant fail	s to provide a		
10. ☐ The affidavit or other evidence is entered. An explanatio REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attach	ed.		
The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application in	condition for allowan	ce because:		
12. Note the attached Information <i>Disclosure Statement</i> (s). 13. Other:	(PTO/SB/08) Paper No(s)				
	/Qi Han/ Examiner, Art Unit 2626				
	Examiner, Art Unit 2626				

Continuation of 11. does NOT place the application in condition for allowance because: the applicant's arguments in the amendment (filed on 06/16/2008) after final, regarding claim rejection under 35 USC 103 in the final office action, are not persuasive.

In response to applicant's arguments regarding claim 1 (also applied to 2-8 and 17-20) that "there is no discussion of how call types are generated but it is assumed from that statement that the call types are laready exist", the prior an "fail close how the plurality of call types may generated based on the first set of utterance" (Remarks: pages 5-6, bridge paragraph), the prior art "assume the existence of the spoken language understanding module and thus this portion also fails to teach a mechanism for generating a natural language understanding model" (Remarks: page 6, paragraph), the re no teaching or suggestion of how these (language models) might generated" (Remarks: pages 6-7, bridge paragraph), and "Arai et al. fail to make reference to use of call-type information chained within the first set of the utterances" (Remarks: pages 5-6, bridge paragraph), the examiner respectfully disagrees with the applicant's arguments and has a different view of the prior art teachings and the claim interpretations.

It is noted that the applicant selectively picked the recited content of the prior art, but failed to treat the prior art teachings as a whole. In general, a spoken language understanding system with statistical model (such as probability based mode) necessarily inherently involves two phases of operations. (supervised or non-supervised) training operation for training the model by using training of and testing operation applying the trained model to inputtlest data for recognition (or classification). It can be seen, as rejected, that the prior art (Arai) discloses both of these operations, as evidenced by Fig. 9, which includes 'clustering generation subsystem 1100' clustering (i.e. generating) grammar fragments (i.e. corresponding classes or statistical models) from test speech uterrace (herein corresponding to training data), and 'classification subsystem 1110' recognizing (or classifying) the grammar fragment (by using trained models) for input speech (corresponding to test data) (also see Figs. 2, 4, and 17, col. 9, lines 147, col. 2, lines 13-35).

Further, it is noted that Arai further discloses details of using 'training transcriptions' and generating 'call-types', modeled by 'call-type probability distribution' and estimated by 'call-type frequencies', and measured by Kullback-Leibler distance (Fig. 2 and col. 4, line 6 to col. 5, line 67, equations 3 and 6).

Furthermore, it can be seen that 'call-types' is only a part of three-phrase grammar fragment model, wherein 'each phrase is a substring of a sentence' (Figs. 2 and 7A-7C, ooi. 3, lines 27-34; col. 8, lines 26-40). Thus, when clustering (openerating) a model with combined phrases (corresponding to language model or language recognition/understanding model), such as a grammar fragment (model) with three phrases, or the corresponding expanded model, or a related sentence (Figs. 2, 4, 11A-11C; col. 8, lines 54-54; col. 10, lines 30-46), call-type information is necessarily/inherently used during training operation since call-type probability and/or distance (information) javier contributed as a part of process for the clustering.

Finally, even though Arai discloses the training and testing operations in mixed way (see col. 2, lines 13-35; col. 3, lines 1-67; col. 9, lines 1-67), the necessary/inherent features of training phase and testing phase for the spoken language recognition/understanding system disclosed by Arai, would be readily recognized and distinguished, by one of ordinary skill in the art. Therefore, it is clear to the examiner, that the applicant's argued existing call-types or models are referred to the corresponding testing operation, not for training operation.

Regarding the other claims, the response to the applicant's arguments is based on the same reason for claim 1 as stated above, because the arguments are based on the same issue(s) as claim 1.

For above reasons, the claim rejection is sustained.